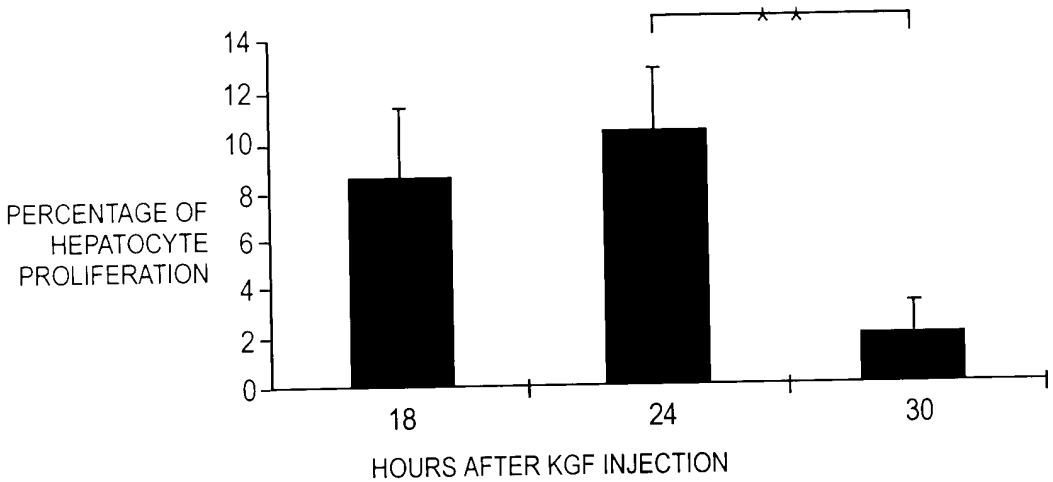

Fig. 1. THE TIME COURSE OF HEPATOCYTE PROLIFERATION FOLLOWING A SINGLE ADMINISTRATION OF KFG. THREE GROUPS OF THREE RATS RECEIVED SUBCUTANEOUES INJECTIONS OF KFG (1mg/kg). ANIMALS WERE SACRIFICED AT 6 HOUR INTERVALS, ONE HOUR PRIOR TO SACIRIFICE ALL RATS WERE INJECTED WITH BrdU. HEPATIC BrdU INCORPORATION WAS QUANTIFIED AS PREVIOUSLY. RESULTS REPRESENT MEAN ± S.D. (**p<0.05)

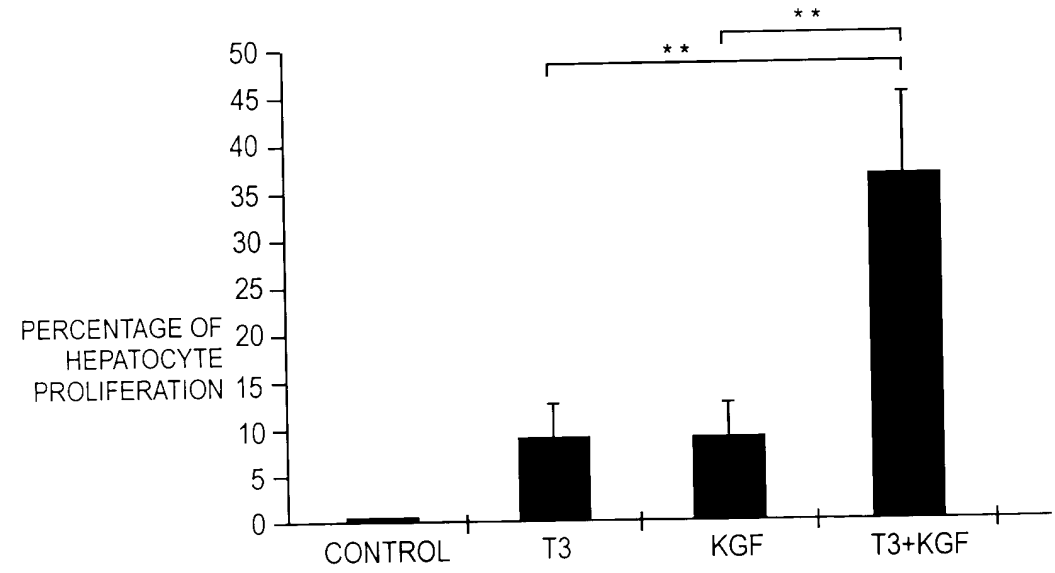

Fig. 2. HEPATOCYTE PROLIFERATION AT 24 HOURS FOLLOWING SINGLE AND COMBINED GROWTH FACTOR STIMULATION. THREE GROUPS OF FOUR RATS WERE INJECTED WITH EITHER A SINGLE GROWTH FACTOR, OR BOTH GROWTH FACTORS. A FURTHER GROUP OF THREE RATS RECEIVED INJECTIONS OF THE GROWTH FACTOR DILUENTS ONLY. T3 (4mg/kg) AND KGF (1mg/kg) WERE ADMINISTERED AT 0 HOURS. ALL ANIMALS RECEIVED BrdU AT 23 HOURS AND WERE KILLED AT 24 HOURS. HEPATIC BrdU INCORPORATION WAS ANALYSED AS PREVIOUSLY. RESULTS REPRESENT MEAN ± S.D (**p<0.05).

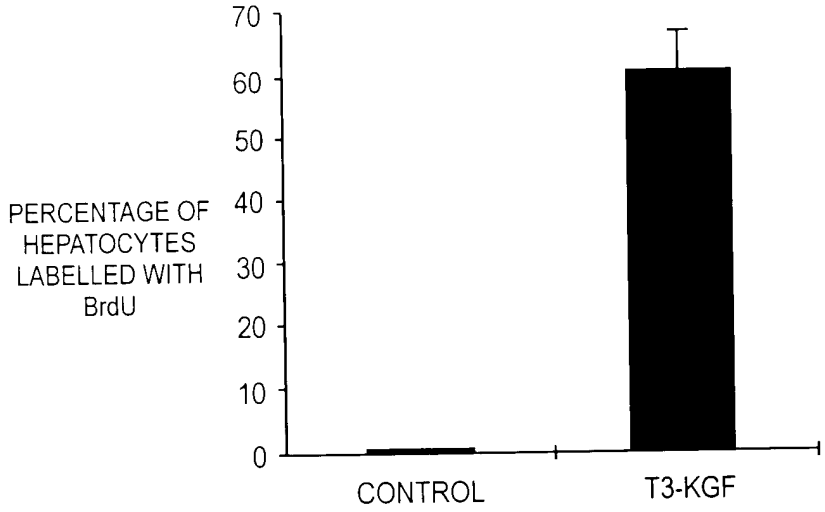

Fig. 3. THE CUMULATIVE HEPATOCYTE PROLIFERATION OBSERVED FOLLOWING GROWTH FACTOR STIMULATION. T3 (4mg/kg) TOGETHER WITH KGF (1mg/kg) WERE INJECTED SUB-CUTANEOUSLY INTO A GROUP OF 3 RATS. 2 RATS WERE INJECTED WITH DILUENT ONLY. BrdU WAS INJECTED AT FIVE HOURLY INTERVALS BETWEEN 12 AND 32 HOURS IN ORDER TO LABEL ALL HEPATOCYTES ENTERING S-PHASE. ANIMALS WERE KILLED AT 33 HOURS AND ANALYSIS OF BrdU INCORPORATION WAS MADE AS PREVIOUSLY. RESULTS REPRESENT MEAN ± S.D.

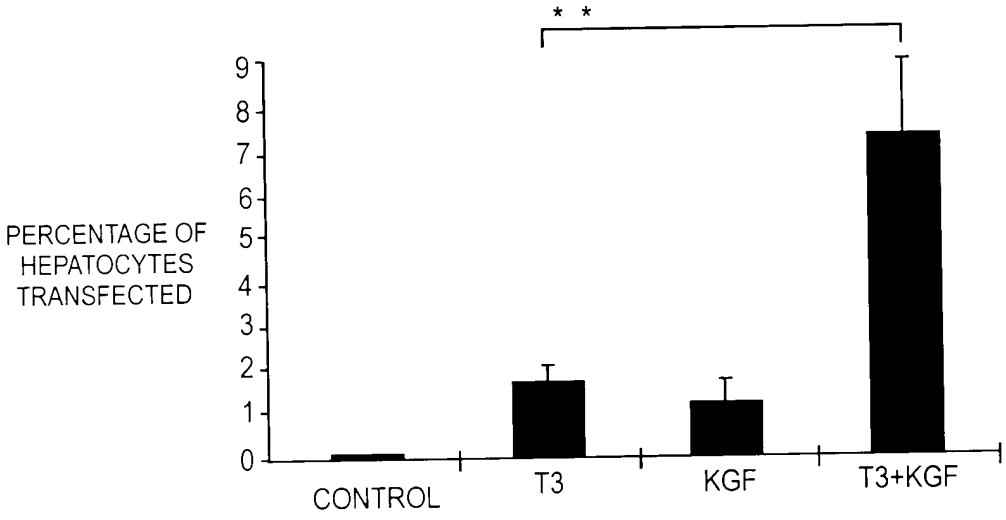

Fig. 4. THE PROPORTION OF HEPATOCYTES EXPRESSING β – GALACTOSIDASE AT 9 DAYS FOLLOWING INTRAPORTAL INJECTION OF THE TELCeB/AF-7 RETROVIRUS. THREE GROUPS OF FOUR RATS RECEIVED INJECTIONS OF EITHER A SINGLE GROWTH FACTOR OR A COMBINATION OF GROWTH FACTORS. A GROUP OF THREE CONTROL RATS RECEIVED INJECTIONS OF THE GROWTH FACTOR DILUENTS ONLY. AT 24 HOURS ALL RATS WERE INJECTED INTRAPORTALLY WITH 1ml OF RETROVIRUS DURING TEMPORARY HEPATIC ARTERY AND PORTAL VEIN OCCLUSION. ALL RATS WERE KILLED 9 DAYS AFTER VECTOR ADMINISTRATION. 10 μm FROZEN LIVER SECTIONS INCUBATED WITH X-GAL AND THE PROPORTION OF HEPATOCYTES EXPRESSING β-GALACTOSIDASE WAS COUNTED FROM 2000 HEPATOCYTES IN THREE DIFFERENT AREAS. RESULTS REPRESENT MEAN ± S.D. (**$p<0.05$).

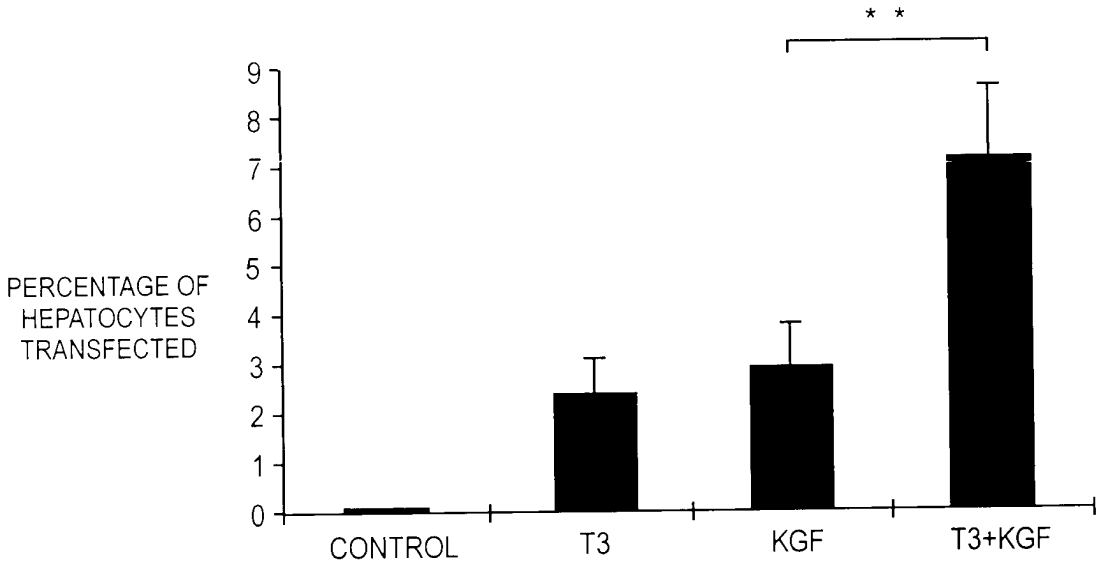

Fig. 5. TRANSFECTION OF THE RAT LIVER *IN VIVO* FOLLOWING GROWTH FACTOR INDUCED HYPERPLASIA AND PERIPHERAL VENOUS ADMINISTRATION OF THE RETROVIRAL VECTOR. 3 GROUPS OF 4 RATS RECEIVED AN INJECTION OF ONE OR BOTH GROWTH GROWTH FACTORS. 2 RATS WERE INJECTED WITH DILUENT ONLY. ALL RATS RECEIVED 3 TAIL VEIN INJECTIONS OF 1ml OF THE TELCeB/AF-7 VECTOR AT 18, 24 AND 30 HOURS AND WERE KILLED AT DAY 10. HEPATIC NUCLEAR LOCALISED β-GALACTOSIDASE WAS QUANTIFIED AS PREVIOUSLY. RESULTS REPRESENT MEAN $\pm$ S.D.